O3C0 *O1PE*

Serial Numb r: 09/845,612B

CR Processing Dat : 4/25/02

Edited by:

Verified by: _____ DC _____ (STIC staff)

- [ ] Changed a file from non-ASCII to ASCII   #10
- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- [ ] Edited a format error in the Current Application Data section, specifically: **ENTERED**

  _____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:

  _____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:

  _____

- [✓] Deleted: [✓] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as_____ .

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically:

  _____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:

  _____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [ ] Other:

  _____

  _____

  _____

*Examiner: Th abov corrections must be communicated to the applicant in th first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

```
            RAW SEQUENCE LISTING              DATE: 04/25/2002
            PATENT APPLICATION:  US/09/845,612B     TIME: 13:05:59

            Input Set : A:\PTO.DC.txt
            Output Set: N:\CRF3\04252002\I845612B.raw

   3  <110> APPLICANT: YU, HONGTAO
   4         TANG, ZHANYUN
   5         LUO, XUELIAN
   6         RIZO-REY, JOSE
   8  <120> TITLE OF INVENTION: A CLASS OF 12MER PEPTIDES THAT INHIBIT THE FUNCTINO OF THE
MITOTIC CHECK
   9         POINT PROTEIN MAD2
  11  <130> FILE REFERENCE: UTSD:795
  13  <140> CURRENT APPLICATION NUMBER: 09/845,612B
  14  <141> CURRENT FILING DATE: 2001-04-27
  16  <160> NUMBER OF SEQ ID NOS: 20
  18  <170> SOFTWARE: PatentIn version 3.0
  20  <210> SEQ ID NO: 1
  21  <211> LENGTH: 8
  22  <212> TYPE: PRT
C--> 23  <213> ORGANISM: Artificial
  25  <220> FEATURE:
  26  <223> OTHER INFORMATION: Synthetic Peptide
  28  <220> FEATURE:
  29  <221> NAME/KEY: misc_feature
  30  <222> LOCATION: (6)..(6)
  31  <223> OTHER INFORMATION: X is any
  34  <220> FEATURE:
  35  <221> NAME/KEY: misc_feature
  36  <222> LOCATION: (1)..(8)
  37  <223> OTHER INFORMATION: Synthetic Peptide
  40  <400> SEQUENCE: 1
W--> 42  Gln Trp Tyr Lys Leu Xaa Pro Pro
  43  1               5
  45  <210> SEQ ID NO: 2
  46  <211> LENGTH: 12
  47  <212> TYPE: PRT
  48  <213> ORGANISM: Artificial Sequence
  50  <220> FEATURE:
  51  <221> NAME/KEY: misc_feature
  52  <222> LOCATION: (1)..(12)
  53  <223> OTHER INFORMATION: synthetic peptide
  56  <400> SEQUENCE: 2
  58  Ser Trp Tyr Ser Tyr Pro Pro Pro Gln Arg Ala Val
  59  1               5                   10
  61  <210> SEQ ID NO: 3
  62  <211> LENGTH: 12
  63  <212> TYPE: PRT
  64  <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

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66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: (1)..(12)
69 <223> OTHER INFORMATION: synthetic peptide
72 <400> SEQUENCE: 3
74 Asp Ala Arg Ile Ile Lys Leu Pro Val Pro Lys Pro
75 1               5                   10
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 12
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: (1)..(12)
85 <223> OTHER INFORMATION: synthetic peptide
88 <400> SEQUENCE: 4
90 Gln Trp Leu His Phe Ala Pro Pro Pro Pro Pro Lys
91 1               5                   10
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 12
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)..(12)
101 <223> OTHER INFORMATION: synthetic peptide
104 <400> SEQUENCE: 5
106 Gln Trp Ile Thr Leu Ser Pro Pro Arg Ser Leu Thr
107 1               5                   10
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 12
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (1)..(12)
117 <223> OTHER INFORMATION: synthetic peptide
120 <400> SEQUENCE: 6
122 Ser Ala Asn Trp Thr Ile Trp Lys Pro Pro Thr Pro
123 1               5                   10
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 12
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(12)
133 <223> OTHER INFORMATION: synthetic peptide
136 <400> SEQUENCE: 7
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RAW SEQUENCE LISTING   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:05:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04252002\I845612B.raw

```
138 Asn Trp Tyr Ser Tyr Lys Met Pro Lys His Glu Ala
139 1               5                  10
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 12
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (1)..(12)
149 <223> OTHER INFORMATION: synthetic peptide
152 <400> SEQUENCE: 8
154 Gln Trp Leu Lys Phe Ser Pro Pro Met His Ala Ser
155 1               5                  10
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 12
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (1)..(12)
165 <223> OTHER INFORMATION: synthetic peptide
168 <400> SEQUENCE: 9
170 Gly Trp Val Arg Leu Gln Pro Pro Pro Leu Ile Gln
171 1               5                  10
173 <210> SEQ ID NO: 10
174 <211> LENGTH: 12
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (1)..(12)
181 <223> OTHER INFORMATION: synthetic peptide
184 <400> SEQUENCE: 10
186 Ala Trp Tyr Lys Leu Pro Lys Glu Ser Pro Leu Leu
187 1               5                  10
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 12
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (1)..(12)
197 <223> OTHER INFORMATION: synthetic peptide
200 <400> SEQUENCE: 11
202 Ser Trp Tyr His Thr Pro Ser Pro Leu Pro His Lys
203 1               5                  10
205 <210> SEQ ID NO: 12
206 <211> LENGTH: 12
207 <212> TYPE: PRT
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208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (1)..(12)
213 <223> OTHER INFORMATION: synthetic peptide
216 <400> SEQUENCE: 12
218 Thr Trp Tyr Lys Leu Ser Asn Ser Pro Ile Tyr Gly
219 1               5                  10
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 14
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 13
228 Asp Val Glu Glu Ala Lys Ile Leu Arg Leu Ser Gly Lys Pro
229 1               5                  10
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 15
233 <212> TYPE: PRT
234 <213> ORGANISM: Drosophila
236 <400> SEQUENCE: 14
238 Asp Ser Lys Gly Gly Arg Ile Leu Cys Tyr Gln Asn Lys Ala Pro
239 1               5                  10                 15
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 14
243 <212> TYPE: PRT
244 <213> ORGANISM: S. Cerevisiae
246 <400> SEQUENCE: 15
248 Asp Met Asn Lys Arg Ile Leu Gln Tyr Met Pro Glu Pro Pro
249 1               5                  10
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 14
253 <212> TYPE: PRT
254 <213> ORGANISM: S. Pombe
256 <400> SEQUENCE: 16
258 Asp Leu Asn Thr Arg Val Leu Ala Phe Lys Leu Asp Ala Pro
259 1               5                  10
261 <210> SEQ ID NO: 17
262 <211> LENGTH: 12
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)..(1)
269 <223> OTHER INFORMATION: X is any
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (1)..(12)
275 <223> OTHER INFORMATION: Synthetic Peptide
278 <220> FEATURE:
```

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       279 <221> NAME/KEY: misc_feature
       280 <222> LOCATION: (6)..(7)
       281 <223> OTHER INFORMATION: X is any
       284 <220> FEATURE:
       285 <221> NAME/KEY: misc_feature
       286 <222> LOCATION: (9)..(12)
       287 <223> OTHER INFORMATION: X is any
       290 <400> SEQUENCE: 17
W--> 292 Xaa Trp Tyr Lys Leu Xaa Xaa Pro Xaa Xaa Xaa Xaa
       293 1               5                 10
       295 <210> SEQ ID NO: 18
       296 <211> LENGTH: 7
       297 <212> TYPE: PRT
       298 <213> ORGANISM: Artificial Sequence
       300 <220> FEATURE:
       301 <221> NAME/KEY: misc_feature
       302 <222> LOCATION: (4)..(5)
       303 <223> OTHER INFORMATION: X is any
       306 <220> FEATURE:
       307 <221> NAME/KEY: misc_feature
       308 <222> LOCATION: (1)..(7)
       309 <223> OTHER INFORMATION: Synthetic Peptide
       312 <400> SEQUENCE: 18
W--> 314 Trp Tyr Lys Leu Xaa Xaa Pro
       315 1               5
       317 <210> SEQ ID NO: 19
       318 <211> LENGTH: 12
       319 <212> TYPE: PRT
       320 <213> ORGANISM: Artificial Sequence
       322 <220> FEATURE:
       323 <221> NAME/KEY: misc_feature
       324 <222> LOCATION: (1)..(12)
       325 <223> OTHER INFORMATION: Synthetic Peptide
       328 <400> SEQUENCE: 19
       330 Gly Trp Trp His Ile Pro Ser Pro Val Leu Arg Pro
       331 1               5                 10
       333 <210> SEQ ID NO: 20
       334 <211> LENGTH: 11
       335 <212> TYPE: PRT
       336 <213> ORGANISM: HIV-TAT PROTEIN
       338 <400> SEQUENCE: 20
       340 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
       341 1               5                 10
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:06:00

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\04252002\I845612B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 6
Seq#:17; Xaa Pos. 1,6,7,9,10,11,12
Seq#:18; Xaa Pos. 5,6

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1

VERIFICATION SUMMARY   DATE: 04/25/2002
PATENT APPLICATION: US/09/845,612B   TIME: 13:06:00

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\04252002\I845612B.raw**

```
L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
```